

STIC Biotechnology Systems Branch**RAW SEQUENCE LISTING**
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/521,571A
Source: PG
Date Processed by STIC: 5/23/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



PCT

RAW SEQUENCE LISTING

DATE: 05/23/2006

PATENT APPLICATION: US/10/521,571A

TIME: 13:57:57

Input Set : A:\21415013.APP

Output Set: N:\CRF4\05232006\J521571A.raw

3 <110> APPLICANT: DALE, JAMES LANGHAM

4 HARDING, ROBERT MAXWELL

5 BECKER, DOUGLAS KEITH

6 HAFNER, GREGORY JOHN

7 YANG, ILIN

9 <120> TITLE OF INVENTION: TRANSCRIPTIONAL CONTROL ELEMENT, CHIMERIC

CONSTRUCTS

10 AND USES THEREFOR

12 <130> FILE REFERENCE: 21415-0013

14 <140> CURRENT APPLICATION NUMBER: 10/521,571A

15 <141> CURRENT FILING DATE: 2005-01-18

17 <150> PRIOR APPLICATION NUMBER: PCT/AU03/00919

18 <151> PRIOR FILING DATE: 2003-07-17

20 <150> PRIOR APPLICATION NUMBER: 60/396,912

21 <151> PRIOR FILING DATE: 2002-07-17

23 <160> NUMBER OF SEQ ID NOS: 33

25 <170> SOFTWARE: PatentIn Ver. 3.3

27 <210> SEQ ID NO: 1

28 <211> LENGTH: 6523

29 <212> TYPE: DNA

30 <213> ORGANISM: Taro bacilliform virus

32 <400> SEQUENCE: 1

33 atggcaaaga aatttgaagc agctattaaa gactgggtatg ataactctcg acgagcagat 60
 34 ctttcctatc ttgacctagc caccactaca aaaccttctg catcacaatt agctcataat 120
 35 ctacaagtca tttttgatag attatcctta cattcttcag tctccattaa ggaacattac 180
 36 gaagtagtta gcaaaacttca ttcttttgaa aaatctatag aagaattaaa gtctgaattg 240
 37 actacgggtca aaagggtctt aacttctatc caaaaagaag ttttcacca caaacccctc 300
 38 acagcacagg aagtgcacaa ccttgacata agtctgatca aagaacctaa gcaaatagaa 360
 39 cagcaggccg tatttcttct aaaggagctt aaagaacaaa cagcaaaaat tcaagctttg 420
 40 ctccacgagc ttaaaaagttg atgtctgtac ctaattccac ataccagggt tacatcaaaa 480
 41 gtttagaaga aacaaaagtc ttaggagatc catctgtagg attctctgaa attcctacca 540
 42 ctgctatcgg aaccgctaca ggtttttcaa ctctttataa gcagaacaat acaatcatca 600
 43 atctgcttat atctcttcat aaaaagggtg atagcctctc caaaaagaca gacgtcgacg 660
 44 agttagccac tgagttgtcc aaactcacia tcaaggatac cccaaagggt aaggctaaaa 720
 45 ctctcttata cgtcttcaag agtccccgtc ttatcctcga agaggaaaga tataaaatcg 780
 46 gccttctctc taccactacc gattggactt ggctgtagg acatcctttt gctcctccac 840
 47 caaaaacatc cacaaaaggca tccacctctt cttaaagatg tcttttagcag ttcgtgatcg 900
 48 tggttccaac cttccacctt cttctacagt ccctagtcag caggaccaga ttcgggatta 960
 49 tagaaacatg caaagagttc gtcatacagc ggaaagagca gcaaggagaa tcttccctgg 1020
 50 aagattcaat agaactctgg aatcacaaat caatccagag gcagaaatcc gtctttctca 1080
 51 acaaagacga gcagcaatgg tcccagcaga agtattatac aatacttctc catcaacaag 1140
 52 aatcagaaa gtgtatcagc actattctga agaaagaatt ctttgtacag gacaaaatca 1200
 53 gcaattaaat ttgccattta ttaatgaatc ttcttacaga gccctcagag aatcagggtc 1260
 54 acagcatctt cacataggcc tgatcatgat tcgtgtacat cctcttcacg ggcgaaatgc 1320

pp 6-7
 Does Not Comply
 Corrected Diskette Needed

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/521,571A

DATE: 05/23/2006

TIME: 13:57:57

Input Set : A:\21415013.APP

Output Set: N:\CRF4\05232006\J521571A.raw

```

55 aggaacgaca gctcttattg tccctcgaga cataagatgg aatgatgaca gatctatcat 1380
56 tggcaccatg gagatagatc tcagcgccgg atcccaaatt gtttatattg ccccaaatat 1440
57 catgctatct gttgaagatt tttatcgcaa catacaactt gcgattcaaa ctcagggtcta 1500
58 tgaaaactgg aactctgccg agagtaactt gctcatctct cgcgctctta ttggtcgtct 1560
59 gacaaacgac agttttacag gattccagta caatatctct aatgttgctg agtacttgca 1620
60 cagtcatggt gtgcaagcta ttgaaggaca agctcatcca agaaccctcg gcaatcgatg 1680
61 gatcctacaa gcaccagcac caccaaggtc tctcgttcca caaaacgtgg agaccaccac 1740
62 tcttctggat ggtaatgtgt ctatacgttt ctccaattac catcaagcac cagttaatga 1800
63 tactcaggat aattctcatc ctgatatcca agaagacgaa aaccaattca ttggttttct 1860
64 ttctgatttg ggggaagaat atgaattgga gtatccttct ttcactccag ttcatgcaga 1920
65 tgaattcatt tttataatca ttaatgggga agaaattccc gatgattttg tctcatcttt 1980
66 ttgttccaat ttctctcctc caccaattcc agaaccagaa cccacagcca ttgaagaaac 2040
67 agcttttact ttggaagaac aattcaatga cctggactat cctaccctca tttcaatgga 2100
68 aaaacaatta gtccagtctt cagttacttc agcttacaac ccaccacag aacctcttat 2160
69 gggtcaggta gtctatccac cagcatctgc acctagacca caagctgaaa cttcttcaac 2220
70 ctctgaaaga ttcaaaaatt tcagagcaaa gccatatagt accccgacta ttttcttacc 2280
71 tccagcatac aatcaacaag gggctatatt agttcttctt gatgacattg gcttatatga 2340
72 agataccatt tctcgttggg agtccattac tctcaacatg atgaatgaaa aggtttggcc 2400
73 atcaaatgaa gcaaaggcca aatatatgga aaatctctta ggagaaatgg aacaaagtga 2460
74 atggatacaa tggaggacca catatgtatc cgaatatgat gctttggtcc aacaaagtga 2520
75 tgaaacacag aacctcctgt ctcaggtaag gaggatattt ctgctacaag acctatatca 2580
76 aggatcaact gcggaacaag atcaggcata taatgatctt gaaagaattt cttgtgataa 2640
77 tattaaggat ttaattcctt atctgattca gttccgcaat ttagctgcaa aatctggacg 2700
78 cttgttctta ggtccagaat tatctgaaaa attattcaga aaaatgccgc ctctaatagg 2760
79 caaagaaatt gaaacagcat tcatagcaaa gcatggtaat gcaaacatca ctgttatgcc 2820
80 tcgcattcat tttgcttacc attatcttgc tgaattatgt aaaaaggcag cattacagag 2880
81 atcattgaag gatctcagct tctgcaacca gattcctctc ccaggaatct atacaaaagg 2940
82 caacaagaag tttggtcttc gaaaggccag aacatacaaa ggaaaaccac atccaacaca 3000
83 tgtacgggta ttcaaaaagg caaaatacca gcgtacaaaag aagtgcaaat gctttatatg 3060
84 tggatgaacca ggacattttg ctcgagaatg cacaaaagcaa agaggaaata ttgtacgagc 3120
85 aacagtacat caagaactgg ccataccaga taattttgat gttgtttctg tggatgcaga 3180
86 tgaatctgac agctctggca tctacagtta ttccgaaaaa gaagctctc tgcaagaagt 3240
87 aaattctttc attcatgatg aaaatatctt tttctatct gatgcagacg agtttgaaag 3300
88 cccacaacag catcttcacg aaacggtaaa tatgcttcaa tctagatctg cttatttacc 3360
89 tcaagtagct gttggagaag aaaaattgaa ttgtagtcac atttggctac aagatgttga 3420
90 tattccatct gataagcaca aatgccacac atgtagaaga gacactcaga aacattacag 3480
91 actggaatgt caaaaatgca aattccttgg ttgctcacta tgcacaattc catatctcgg 3540
92 aatcaccatg caattcaggc aaaagcaaaa atctcagcct gaaaacccaa acttagtccg 3600
93 agaattgtta gaacatgcca tttttctaga agaaaaatgc aaaaatcaag aattactgtc 3660
94 agaaactcag atagaaagga tagtcagttc tgaaaaacaa gtcaaatttt atggcatcct 3720
95 tcctacaaaa aagtccaaca aatctgctgg gtatgactta caatccaaca ttgatataga 3780
96 aatcccgcca ggaaaatgta cagtcatttc tactggaacc tttctacaaa tgcttgacaa 3840
97 catgtatggt agacttgtag aaagaacatc tttggcaata caggggatta cagtacaagg 3900
98 aggagtcatt gaccagact tcacaggaga aatacagatt gttctcttca atcataatac 3960
99 tgctccttat cctgtgaaga aaacttacag attggctcaa attatctttg agaaaatttta 4020
100 tactccaatc ttcattcaag aacctttcac ttcaactcaa caagggtctt caaattttgg 4080
101 cagtacagct aaacctctac aaatcacaga aaatatagag gttatgtctg aaacagttgc 4140
102 aaatcagggt gcaaaatcta gtgtgctacc acgattatat tccattcaag cacatattca 4200
103 tattgcacca gatattgtta tttctacaac tgccatcatt gatacaggag caacagtctg 4260

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/521,571A

DATE: 05/23/2006

TIME: 13:57:57

Input Set : A:\21415013.APP

Output Set: N:\CRF4\05232006\J521571A.raw

```

104 ttgtatatct gaaaagatag taccagaagc agccaaagaa cagctcaatt acaaagttaa 4320
105 cttttctggt atttcatctc aacagcaaatt tcagcataga ctgaaaagag gtacattaga 4380
106 aattgcatca aataaatatg ctctaccatt gtgttatatc attgaactca atgataaaga 4440
107 tgatttttct atgattcttg gatgcaattt ctttaaacad atggggggag gaatgaggtt 4500
108 tgaaggacct catgttactt tttaaaaagg aattactacc ttgagcacct catatgcaaa 4560
109 tactggatgc gatactgaac atgaacaaat taccagtaca acctctcagt ctttttaaaga 4620
110 aagattttct cccttaatga atgaacttaa agcagcaggc tacattggag aagatcctct 4680
111 caaacattgg tctaaaaaca aagtcacatg caaattagac ctgaagaata cagagattac 4740
112 tattcaggat aagcccttaa gacacatcac acctgctctg gaacaatcat atggctcgta 4800
113 tgttaatgct ctactcatgc ttaagggttat tcaaccttcc aaaagtagac acagaacaat 4860
114 ggctttccta gtaaactctg gcaccactgt tacagctgat ggaaaagaaa tcaaaggtaa 4920
115 agagcgtatg gtctttaatt acaaagccct caatgacaac acctacaaag accaatactc 4980
116 attaccaaat attcagctta ttttgaaaaa ggtgatcaat agcactatct attctaaatt 5040
117 tgatctgaaa tctgggtttc accaagttgc tatggatccc gattctgtgg aatggacagc 5100
118 tttcctagtt ccacaagggt tatatgaatg gctggcaatg ccttttgccc tcaaaaatgc 5160
119 tccagccgta tttcaaagaa aaatggatgc agtattcaaa ggggtgtgaaa aattcctcgc 5220
120 agtctatatt gatgatattc tggatatttc aaacaatgag gaagatcatg caaaacacct 5280
121 ggtcatcatg cttcagcggg gtaaagaaca tggctctgtt ctttcaccta caaaaatgaa 5340
122 tattgcagtt agagaagtta attttcttgg agccactatt ggcagcagaa aagttaaact 5400
123 ccaagaaaat attatcaaga agatccttga ctttgataga gagaaacttc aatcaaaaaa 5460
124 gggctctcgt tcatttctgg gaattcttaa ctatgccga aatcatattc caaatctcgg 5520
125 gaaaatagcc ggacctctct attccaaaac ttccatatat ggtgatatca gattttcagc 5580
126 atctgattgg aagttaatca atgaatcaa ggctattgtt gagaagctcc caccacttga 5640
127 ttatcctcca gaacaagcct acatcattat tgaatctgat ggttgatagg aaggatgggg 5700
128 cgctatttgt aaatggaagc tcgcagaata tgaccccaag tcaagtgaac aaatttgtgc 5760
129 gtatgctagt ggtaaattct ctccaatcaa atccactatc gacgcagaaa ttactgccgc 5820
130 catggaaggg ttagaagcat tcaagatcca ttacttggat aaacaaaaaa taaccctccg 5880
131 cactgattgc caggcaatca tctcattctg caacaagact tcagtcaaca agccttcacg 5940
132 ggttagatgg ttgaagttca ttgattatat tactaacact ggaattgatg ttaaatttga 6000
133 acatattgat gctaaaaata atgtcttagc tgacactctg tccagggttag ttaacacttt 6060
134 gcaggatttg ccatggctag atgaacctca tcaggatcaa acagtctccc tgatgcagga 6120
135 aattgaagat gcacctcttg aaatcaagca gcgttcttta acctgcttac agagactgat 6180
136 ctgtagaagc ttcattggaag attctacaga agaagctatt cacttcctcg aagatgataa 6240
137 gatcgagcca acagctgagt catcaacccc aattactttg gatgaatttt caagaaaaag 6300
138 attccaagaa catacagatc tcttagaaga atttcaatta actttgcttc aaattaatct 6360
139 tcttgaagca tctcttcagc aacgattaat gaaatgccaa agttatgcaa cgagagataa 6420
140 tttctgggga gattggctgc ctgaagctcg cagagatctt ttgcaaattc aactagccaa 6480
141 agaaatcatc gagaagggtc gtgaaaagct tcactctatc tag 6523

```

144 <210> SEQ ID NO: 2

145 <211> LENGTH: 7458

146 <212> TYPE: DNA

147 <213> ORGANISM: Taro bacilliform virus

149 <400> SEQUENCE: 2

```

150 tggatcaga gctatgggtga tgttttctat ggctatggca gcgtaaactt cttctgctca 60
151 agaggggaagt ctaccatgtc ttttatttgc tgatgcaact tcatttaatt tgcctatatt 120
152 ttgtttgata tatctcatta tttgtaagcc tcgtacttac agtacagacc gataacataa 180
153 ggtaagctaa ggtagcaggc aaaagaggga acaaagtagc cgcaggagaa aggcgaagaa 240
154 gtaccgtgag tcttctaccc gaaacttact aagtgttatt tctatctggg atagtttagg 300
155 tcttgaaaaa taatgcgacc ttacaattat atgatttata tcacatttta tggcaaagaa 360

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/521,571A

DATE: 05/23/2006

TIME: 13:57:57

Input Set : A:\21415013.APP

Output Set: N:\CRF4\05232006\J521571A.raw

```

156 atttgaagca gctattaaag actggtatga taactctcga cgagcagatc tttcctatct 420
157 tgacctagcc accactacaa aaccttctgc atcacaaatta gctcataatc tacaagtcac 480
158 ttttgataga ttatccttac attcttcagt ctccattaag gaacattacg aagtagttag 540
159 caaacttcat tctttggaaa aatctataga agaattaaag tctgaattga ctacgggtcaa 600
160 aagggcttta acttctatcc aaaaagaagt tttcacccac aaaccctca cagcacagga 660
161 agtgcacaaacc cttgcacaaa gtctgatcaa agaacctaaag caaatagaac agcaggccgt 720
162 atttcttcta aaggagctta aagaacaaac agcaaaaatt caagctttgc tccacgagct 780
163 taaaagtgtga tgtctgtacc taattccaca taccagggtt acatcaaaaag tttagaagaa 840
164 acaaaagtct taggagatcc atctgtagga ttctctgaaa ttcctaccac tgctatcgga 900
165 accgctacag gtttttcaac tctttataag cagaacaata caatcatcaa tctgcttata 960
166 tctcttcata aaaagggttga tagcctctcc aaaaagacag acgtcgacga gttagccact 1020
167 gagttgtcca aactcacaat caaggatacc ccaaagggtta aggctaaaac tctctatac 1080
168 gtcttcaaga gtccccgtct tatcctcgaa gaggaaagat ataaaatcgg ccttctcct 1140
169 accactaccg attggacttg gcctgtagga catccttttg ctctccacc aaaaacatcc 1200
170 acaaaggcat ccacctcttc ttaaagatgt ctttagcagt tcgtgatcgt ggttccaacc 1260
171 cttccacctc ttctacagtc ctagtcagc aggcacagat tcgggattat agaaacatgc 1320
172 aaagagtctg tcatacagcg gaaagagcag caaggagaat cttccctgga agattcaata 1380
173 gaactctgga atcacaaatc aatccagagg cagaaatccg tctttctcaa caaagacgag 1440
174 cagcaatgggt ccagcagaaa gtattatata atacttctcc atcaacaaga aatcagaaaag 1500
175 tgtatcagca ctattctgaa gaaagaattc tttgtacagg acaaaatcag caattaaatt 1560
176 tgccatttat taatgaatct tcttacagag ccctcagaga atcagggtcaa cagcatcttc 1620
177 acataggcct gatcatgatt cgtgtacatc ctcttcatcg gcgaaatgca ggaacgacag 1680
178 ctcttattgt ccctcgagac ataagatgga atgatgacag atctatcatt ggcaccatgg 1740
179 agatagatct cagcgcgga tcccaaattg tttatattgc cccaaatc atgctatctg 1800
180 ttgaagattt ttatcgcaac atacaacttg cgattcaaac tcagggtctat gaaaactgga 1860
181 actctgccga gagtaacttg ctcatctctc gcgctcttat tggctgctctg acaaacgaca 1920
182 gttttacagg attccagtac aatatctcta atgttgctga gtacttgac agtcatggtg 1980
183 tgcaagctat tgaaggacaa gctcatccaa gaacctcgg caatcgatgg atcctacaag 2040
184 caccagcacc accaaggctct ctggttccac aaaacgtgga gaccaccact cttctggatg 2100
185 gtaatgtgtc tatacgtttc tccaattacc atcaagcacc agttaatgat actcaggata 2160
186 attctcatcc tgatatccaa gaagacgaaa accaattcat tggttttctt tctgatttgg 2220
187 gggaagaata tgaattggag tatccttctt tcaactcagt tcatgcagat gaattcattt 2280
188 ttataatcat taatggggaa gaaattcccg atgattttgt ctcatctttt tgttccaatt 2340
189 tctctcctcc accaattcca gaaccagaac ccacagccat tgaagaaaca gcttttactt 2400
190 tggagaagaca attcaatgac ctggactatc ctacctcat ttcaatggaa aaacaattag 2460
191 tccagtcttc agttacttca gcttacaacc caccacaga acctcttatg ggtcaggtag 2520
192 tctatccacc agcatctgca cctagaccac aagctgaaac ttcttcaacc tctgaaagat 2580
193 tcaaaaattt cagagcaaag ccatatagta ccccgactat tttcctacct ccagcataca 2640
194 atcaacaagg ggctatatta gttcttctct atgacattgg cttatatgaa gataccattt 2700
195 ctggttggga gtccattact ctcaacatga tgaatgaaaa ggtttggcca tcaaatgaag 2760
196 caaaggccaa atatatggaa aatctcttag gagaaatgga gaagaagaca tggatacaat 2820
197 ggaggaccac atatgtatcc gaatatgatg ctttgggtcca acaaagtgat gaaacacaga 2880
198 acctcctgtc tcaggtaagg aggatatttc tgctacaaga cccatatcaa ggatcaactg 2940
199 cggaacaaga tcaggcatat aatgatcttg aaagaatttc ttgtgataat attaaggatt 3000
200 taattcctta tctgattcag ttccgcaatt tagctgcaaa atctggacgc ttgttcttag 3060
201 gtccagaatt atctgaaaaa ttattcagaa aaatgccgc tctaataaggc aaagaaattg 3120
202 aaacagcatt catagcaaag catggtaatg caaacatcac tgttatgcct cgcattcatt 3180
203 ttgcttacca ttatcttgct gaattatgta aaaaggcagc attacagaga tcattgaagg 3240
204 atctcagctt ctgcaaccag attcctctcc caggaatcta taaaaaggc aacaagaagt 3300

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/521,571A

DATE: 05/23/2006

TIME: 13:57:57

Input Set : A:\21415013.APP

Output Set: N:\CRF4\05232006\J521571A.raw

```

205 ttggtcttcg aaaggccaga acatacaaaag gaaaaccaca tccaacacat gtacgggtat 3360
206 tcaaaaaggc aaaataccag cgtacaaaga agtgcaaagt ctttatatgt ggtgaaccag 3420
207 gacattttgc tcgagaatgc acaaagcaaa gaggaatat tgtacgagca acagtacatc 3480
208 aagaactggc cataccagat aattttgatg ttgtttctgt ggatgcagat gaatctgaca 3540
209 gctctggcat ctacagttat tcggaaaatg aagctcctct gcaagaagta aattctttca 3600
210 ttcagtatga aaatatcttt ttcctatctg atgcagacga gtttgaaagc ccacaacagc 3660
211 atcttcatga aacggtaaat atgcttcaat ctatgctgctg ttattttacct caagtagctg 3720
212 ttggagaaga aaaattgaat tgtagtcaca ttgggtctaca agatgttgat attccatctg 3780
213 ataagcacia atgccacaca tgtagaagag aactcagaa acattacaga ctggaatgtc 3840
214 aaaaatgcaa attcttggtt tgctcactat gcacaattcc atatctcgga atcaccatgc 3900
215 aattcaggca aaagcaaaaa tctcagcctg aaaacccaaa cttagtccga gaattgttag 3960
216 aacatgccat ttttctagaa gaaaaatgca aaaatcaaga attactgtca gaaactcaga 4020
217 tagaaaggat agtcagttct gaaaaacaag tcaaatttta tggcatcctt cctacaaaaa 4080
218 agtccaacaa atctgctggg tatgacttac aatccaacat tgatatagaa atcccgccag 4140
219 gaaaatgtac agtcatttct actggaacct ttctacaaat gcctgacaac atgtatggta 4200
220 gacttgtaga aagaacatct ttggcaatac aggggattac agtacaagga ggagtcattg 4260
221 acccagactt cacaggagaa atacagattg ttctcttcaa tcataatact gctccttact 4320
222 ctgtgaagaa aacttacaga ttggctcaaa ttatctttga gaaattttat actccaatct 4380
223 tcattcaaga acctttcact tcaactcaac aagggtcttc aaattttggc agtacagcta 4440
224 aacctctaca aatcacagaa aatatagagg ttatgtctga aacagttgca aatcaggttg 4500
225 caaatctag tgtgctacca cgattatatt ccattcaagc acatattcat attgcaccag 4560
226 atattgttat ttctacaact gccatcattg atacaggagc aacagtctgt tgtatatctg 4620
227 aaaagatagt accagaagca gccaaagaac agctcaatta caaagttaac atttctggta 4680
228 tttcatctca acagcaaatt cagcatagac tgaaaagagg tacattagaa attgcatcaa 4740
229 ataaatatgc tctaccattg tgttatatca ttgaaactca tgataaagat gatttttcta 4800
230 tgattcttgg atgcaatttc tttaaacata tggggggagg aatgagggtt gaaggacctc 4860
231 atgttacttt ttacaaaagga attactacct tgagcaccctc atatgcaaat actggtatcg 4920
232 atactgaaca tgaacaaaatt accagtacaa cctctcagtc ttttaaagaa agattttctc 4980
233 ccttaatgaa tgaacttaaa gcagcaggct acattggaga agatcctctc aaacattggg 5040
234 ctaaaaacaa agtcacatgc aaattagacc tgaagaatac agagattact attcaggata 5100
235 agcccttaag acacatcaca cctgctctgg aacaatcata tggctcgtcat gttaatgtc 5160
236 tactcatgct taaggttatt caaccttcca aaagtagaca cagaacaatg gctttcctag 5220
237 taaactctgg caccactgtt acagctgatg gaaaagaaat caaaggtaaa gagcgtatgg 5280
238 tctttaatta caaagccctc aatgacaaca cctacaaaga ccaatactca ttaccaata 5340
239 ttcagcttat tttgaaaaag gtgatcaata gcactatcta ttctaaattt gatctgaaat 5400
240 ctggttttca ccaagttgct atggatcccg attctgtgga atggacagct ttcctagtgc 5460
241 cacaagggtt atatgaatgg ctggcaatgc cttttggcct caaaaatgct ccagccgtat 5520
242 ttcaaagaaa aatggatgca gtattcaaa ggtgtgaaaa attcctcgca gtctatattg 5580
243 atgatattct ggtattttca aacaatgagg aagatcatgc aaaacacctg gtcacatgc 5640
244 ttcagcggtg taaagaacat ggtcttggtc tttcacctac aaaaatgaat attgcagtta 5700
245 gagaagttaa ttttcttgga gccactattg gcagcagaaa agttaaaactc caagaaaata 5760
246 ttatcaagaa gatccttgac tttgatacag agaaacttca atcaaaaaag ggtcttcgtt 5820
247 catttctggg aattcttaac tatgcccga atcatattcc aaatctcggg aaaatagccg 5880
248 gacctctcta ttccaaaact tccatatatg gtgatatcag attttcagca tctgattgga 5940
249 agttaatcaa tgaaatcaag gctattgttg agaagctccc accacttgat tatcctccag 6000
250 aacaagccta catcattatt gaatctgatg gttgtatgga aggatggggc gctatttgta 6060
251 aatggaagct cgcagaatat gaccccaagt caagtgaaca aatttgtgcg tatgctagtg 6120
252 gtaaatcttc tccaatcaaa tccactatcg acgcagaaat tactgccgcc atggaagggt 6180
253 tagaagcatt caagatccat tacttgagata aacaaaaaat aaccctccgc actgattgcc 6240

```

10/521571A

6

<210> 10
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<220>
<221> modified_base
<222> (6)
<223> inosine

<220>
<221> modified base
<222> (11) (12) "g" is at location 11
<223> inosine

<220>
<221> modified_base
<222> (21)
<223> inosine

<400> 10
atgccnttyg gnaaraaygc ncc

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/521,571A

7
DATE: 05/23/2006
TIME: 13:57:58

fy I
Input Set : A:\21415013.APP
Output Set: N:\CRF4\05232006\J521571A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220>

to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:10; N Pos. 6,12,21

Seq#:11; N Pos. 10,13,16,22

Seq#:30; Xaa Pos. 2,4,6

8

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/521,571A

DATE: 05/23/2006

TIME: 13:57:58

Input Set : A:\21415013.APP

Output Set: N:\CRF4\05232006\J521571A.raw

L:813 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:846 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:1108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0